

apache / airflow Public

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# Improve xcom value handling in extra links API #61641

Merged

potiuk merged 1 commit into apache:main from amoghrajesh:operator-links-api-sa... on Feb 9



Conversation 1

Commits 1

Checks 128

Files changed 2



amoghrajesh commented on Feb 8

Contributor

## Was generative AI tooling used to co-author this PR?

 No

Updating the extra links API to now use stringify to convert XCom values to human-readable format while trying to get a link in "details" page of a task, consistent with the XCom API endpoint behavior. This ensures proper handling of complex serialized values which can be pushed as operator extra links and makes the API robust when rendering operator links in the UI.

Previously, the extra links endpoint used full deserialization which could cause validation errors with certain xcom value types. The new approach safely converts values to strings, matching the pattern established in the xcom API recently: [https://github.com/apache/airflow/blob/main/airflow-core/src/airflow/api\\_fastapi/core\\_api/routes/public/xcom.py#L112-L134](https://github.com/apache/airflow/blob/main/airflow-core/src/airflow/api_fastapi/core_api/routes/public/xcom.py#L112-L134)

- Read the [Pull Request Guidelines](#) for more information. Note: commit author/co-author name and email in commits become permanently public when merged.
- For fundamental code changes, an Airflow Improvement Proposal (AIP) is needed.
- When adding dependency, check compliance with the [ASF 3rd Party License Policy](#).
- For significant user-facing changes create newsfragment: `{pr_number}.significant.rst` or `{issue_number}.significant.rst`, in [airflow-core/newsfragments](#).

1

[Improve xcom value handling in extra links API](#) ✓ [f3b1cbb](#)

**amoghrajesh** requested review from **ashb** and **bolkedebruin** as [code owners](#) [2 months ago](#)

**boring-cyborg** (bot) added [area:API](#) [area:DAG-processing](#) labels [on Feb 8](#)

**amoghrajesh** requested review from **pierrejeambrun** and **potiuk** and removed request for **bolkedebruin** [2 months ago](#)

**amoghrajesh** self-assigned this [on Feb 8](#)

**amoghrajesh** removed the [area:DAG-processing](#) label [on Feb 8](#)

**amoghrajesh** added this to the **Airflow 3.1.8** milestone [on Feb 8](#)

**potiuk** approved these changes [on Feb 8](#)

[View reviewed changes](#)

**potiuk** left a comment Member

Nice

**potiuk** merged commit **01ac969** into [apache:main](#) [on Feb 9](#) View details

129 checks passed

**Ratasa143** pushed a commit to Ratasa143/airflow that referenced this pull request [on Feb 15](#)

[Improve xcom value handling in extra links API \(apache#61641\)](#) [972ed4c](#)

**choo121600** pushed a commit to choo121600/airflow that referenced this pull request [on Feb 22](#)

[Improve xcom value handling in extra links API \(apache#61641\)](#) [fc11462](#)

**AkshayArali** pushed a commit to AkshayArali/airflow\_630 that referenced this pull request [on Feb 27](#)

 [Improve xcom value handling in extra links API \(apache#61641\)](#) [8097cdd](#)

  **vatsrahul1001** modified the milestones: **Airflow 3.1.8, Airflow 3.2.0** on [Mar 3](#)

 **Subham-KRLX** pushed a commit to Subham-KRLX/airflow that referenced this pull request on [Mar 4](#)

 [Improve xcom value handling in extra links API \(apache#61641\)](#) [03aa9ca](#)

 **dominikhei** pushed a commit to dominikhei/airflow that referenced this pull request on [Mar 11](#)

 [Improve xcom value handling in extra links API \(apache#61641\)](#) [12883b1](#)

  **vatsrahul1001** modified the milestones: **Airflow 3.2.0, Airflow 3.1.9** on [Mar 12](#)

 **Ankurdeewan** pushed a commit to Ankurdeewan/airflow that referenced this pull request on [Mar 15](#)

 [Improve xcom value handling in extra links API \(apache#61641\)](#) [052e3a5](#)

 **radhwene** pushed a commit to radhwene/airflow that referenced this pull request on [Mar 21](#)

 [Improve xcom value handling in extra links API \(apache#61641\)](#) [49e21f4](#)

  **potiuk** modified the milestones: **Airflow 3.1.9, Airflow 3.2.0** [last week](#)

  **nixpkgs-security-tracker** (bot) mentioned this pull request [yesterday](#)

**[Apache Airflow: API extra-links triggers XCom deserialization/class instantiation \(Airflow 3.1.5\) NixOS/nixpkgs#511462](#)**

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Reviewers

 **potiuk**

 **ashb**





pierrejeambrun



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### Assignees



amoghrajesh

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### Labels

area:API

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### Projects

None yet

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### Milestone



Airflow 3.2.0

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### Development

Successfully merging this pull request may close these issues.

None yet

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### 3 participants

